

二元、三元联立方程式

$$\begin{aligned} 1. \quad & x - y + z = 3 \\ & 2x + y + z = 8 \\ & 3x + y - z = 1 \end{aligned}$$

$$\begin{aligned} 2. \quad & x - y - z = 2 \\ & 2x + y + z = 8 \\ & x + y + z = 6 \end{aligned}$$

$$\begin{aligned} 3. \quad & x + y + z = 1 \\ & 2x - y + 2z = -1 \\ & -x - 3y + z = 1 \end{aligned}$$

$$\begin{aligned} 4. \quad & x - y - z = 6 \\ & -x + 3y + 2z = -11 \\ & 3x + 2y + z = 1 \end{aligned}$$

$$\begin{aligned} 5. \quad & x + y + z = 1 \\ & -2x + 2y + 3z = 20 \\ & 2x - 2y - z = -16 \end{aligned}$$

$$\begin{aligned} 6. \quad & x + y + z = -3 \\ & 3x + y - z = 13 \\ & 3x + y - 2z = 18 \end{aligned}$$

$$\begin{aligned} 7. \quad & 2x + y - z = 2 \\ & -x - 3y + z = -1 \\ & -4x + 3y + z = -4 \end{aligned}$$

$$\begin{aligned} 8. \quad & x + 4y - 6z = 8 \\ & 2x - y + 3z = -10 \\ & 3x - 2y + 3z = -18 \end{aligned}$$

$$\begin{aligned} 9. \quad & 3x - y + z = 5 \\ & x + 3y + 3z = -6 \\ & x + 4y - 2z = 12 \end{aligned}$$

$$\begin{aligned} 10. \quad & 2x - y + 3z = 2 \\ & x - 2y + 3z = 1 \\ & 4x - y + 5z = 5 \end{aligned}$$

$$\begin{aligned} 11. \quad & x + 2y + z = 2 \\ & 2x + 3y + 3z = -3 \\ & 2x + 3y + 2z = 2 \end{aligned}$$

$$\begin{aligned} 12. \quad & x - 4y - z = -3 \\ & x + 2y + z = 5 \\ & 3x - 7y - 2z = -6 \end{aligned}$$

$$\begin{aligned} 13. \quad & x + 3y - 2z = 8 \\ & 3x + 2y - 3z = 15 \\ & 4x + 2y + 3z = -1 \end{aligned}$$

$$\begin{aligned} 14. \quad & x + y - z = 2 \\ & 3x + 5y - 2z = -5 \\ & 5x + 4y - 7z = -7 \end{aligned}$$

$$\begin{aligned} 15. \quad & x + y - z = 2 \\ & x - 2z = 1 \\ & 2x - 3y - z = 8 \end{aligned}$$

$$\begin{aligned} 16. \quad & x + y + z = 6 \\ & x - 2y = -7 \\ & 4x + 3y + z = 7 \end{aligned}$$

二元、三元联立方程式

$$17. x - 3y + 2z = 1$$

$$16y - 9z = 5$$

$$4x + 4y - z = 8$$

$$18. x - 4y + 4z = -1$$

$$y - 3z = 5$$

$$3x - 4y + 6z = 1$$

$$19. x + 2y - 4z = 13$$

$$3x + 4y - 2z = 19$$

$$3x + 2z = 3$$

$$20. x + 2y - z = 6$$

$$-3x - 2y + 5z = -12$$

$$x - 2z = 3$$

$$21. \frac{3}{x} + \frac{1}{y} + \frac{4}{z} = 0$$

$$\frac{1}{x} + \frac{4}{y} - \frac{2}{z} = 4$$

$$\frac{2}{x} - \frac{3}{y} - \frac{1}{z} = -11$$

$$22. \frac{3}{x} - \frac{1}{y} + \frac{2}{z} = 0$$

$$\frac{2}{x} + \frac{1}{y} - \frac{4}{z} = -9$$

$$\frac{1}{x} + \frac{1}{y} + \frac{3}{z} = 6$$

$$23. \frac{3}{x+1} - \frac{1}{y+2} + \frac{1}{z-1} = 2$$

$$\frac{2}{x+1} - \frac{3}{y+2} - \frac{1}{z-1} = 7$$

$$\frac{1}{x+1} + \frac{1}{y+2} - \frac{4}{z-1} = 8$$

统考题

$$1. x^2 + y^2 = 6$$

$$x^2 + y^2 - 6x + 8 = 0$$

$$2. 2x + y = x - 3y + 15 = 16$$

求 $x^2 + xy - y^2$ 的值

$$3. xy + y = 4$$

$$x + y = 4$$

$$4. x^2 + y^2 = 2$$

$$x^2 - y^2 + 3x + 3y = 0$$

$$5. x + 3y = 8$$

$$x + y = 9 - 3a$$

求 a 值

$$6. \frac{3}{x-2} + \frac{4}{y+1} = 1$$

$$x - y = 1$$

$$7. \frac{2}{3x} + \frac{3}{4y} = 0$$

$$\frac{4}{x} - \frac{3}{2y} = 6$$

$$8. x + y = 12$$

$$y + z = 8$$

$$z + x = 10$$